

Certification of Analysis

Product Name	Copper Tripeptide-1	CAS No.	89030-95-5
Molecular Formula	C ₁₄ H ₂₂ N ₆ O ₄ Cu.xHCl	Batch No.	P250218-YS496923
Molecular Weight	401.91+x36.5	Manufacturing Date	17.03.2025
Storage	Cool dry place	Retest Date	2025.02.17
Sequence			
TEST		SPECIFICATION	RESULT
1	Appearance	Blue crystalline powder	Blue powder
2	Solubility	Soluble in water or acetic acid to give a clear, colorless solution	Conforms
3	Identification (MS)	401.91 ± 1.0	Conforms
4	Copper content	8.0-16%	12.07%
5	Amino Acid Composition	±10% of theoretical	Conforms
6	Peptide Purity (By HPLC)	≥98.0% by area integration	99.97%
7	Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0% Largest Single Impurity(%) ≤ 1.0%	0.03% 0.69%
8	Acetate Content (By HPLC)	≤15.0%	14.6%
9	Water Content (Karl Fischer)	≤8.0%	4.7%
10	Bacterial Endotoxins	≤5EU/mg	Conforms
11	Peptide Content (N determination)	≥80.0%	82.38%
12	Assay (By Anhydrous, Acetic Acid-free)	95.0 ~ 105.0%	101.68%